



Philips Aurea
Flat TV with Perfect Pixel
HD and Ambilight Spectra

42"

LCD DVB-T

AUREA



42PFL9900D

Seduction by light

Let the beauty of light transform your viewing experience with the Aurea Flat TV. The Ambilight Spectra with Active Frame is blended in a stunning design. With Perfect Pixel HD Engine and Full HD 1080p LCD display seeing is believing.

Bring magic to your viewing experience

- Ambilight Spectra with Active Frame and sensorial halo

A pure treat for your eyes

- LCD Full HD display 1920x1080p
- Perfect Pixel HD Engine for unrivalled sharpness and clarity
- 100Hz Clear LCD for superb motion sharpness (3ms)
- Four trillion colours processing for vivid and brilliant images
- HD Natural Motion for judder free 1080p images

Truly immersive sound

- Powerful sound from unique invisible speakers

Designed for your convenience

- Drive your experience with Aurea Navigator remote control
- Settings assistant for effortless personalised TV settings
- 3 HDMI inputs for easy full HD connectivity

PHILIPS

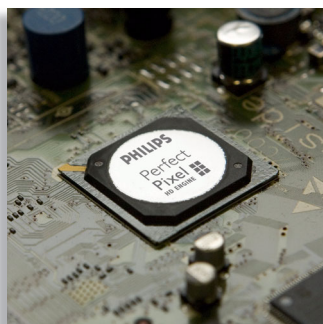
sense and simplicity

Product highlights

LCD Full HD display 1920x1080p

The Full HD screen has the widescreen resolution of 1920 x 1080p. This is the highest resolution of HD sources for the best possible picture quality. It is fully future proof as it supports 1080p signals from all sources, including the most recent like Blu-ray and advanced HD game consoles. The signal processing is extensively upgraded to support this much higher signal quality and resolution. It produces brilliant flicker-free progressive scan pictures with superb brightness and colours.

Perfect Pixel HD



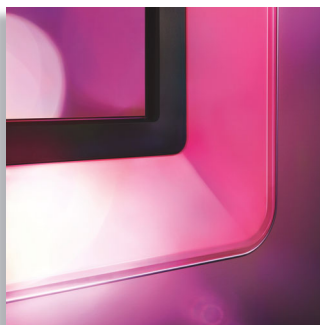
Perfect Pixel HD Engine offers the unique combination of ultimate sharpness, natural detail, vivid colours and smooth natural motion on all qualities of HD, standard TV signals and multimedia content for high definition displays. Each pixel of the incoming picture is enhanced to better match the surrounding pixels, resulting in a more natural picture. Artefacts and noise in all sources from multimedia to standard TV and also in highly compressed HD content are detected and reduced ensuring that the picture is clean and razor sharp.

100Hz Clear LCD



100Hz Clear LCD creates extreme motion sharpness for clear and vibrant images even with fast on-screen motion. The Double Frame Rate Insertion works with a high 100Hz refresh rate. It increases the sharpness of motion reproduction to more than twice that of conventional LCD, resulting in a response time of three milliseconds (measured in Perceived Blur-Edge-Width; BEW). This unique Philips technology brings motion sharpness of LCD displays to an unprecedented level.

Ambilight Spectra



The sensorial halo of Ambilight Spectra adds a magical dimension to the viewing experience. The Active Frame extends the light and atmosphere of the image far outside the screen in a soft kaleidoscope of colours. You feel fully

immersed in the images, viewing becomes a more intensive experience than you could ever imagine. The compact LED technology enables a total of 126 power LEDs to be placed around the screen. This creates a multitude of segments that fuse into one soft surround of light in the Active Frame, directly enveloping the screen and flowing seamlessly into a soft halo on the wall.

Four trillion colours processing

Vibrant and natural images from most advanced colour processing. The three colour channels (RGB) are optimised using 14 bit resolution, a total processing power of four trillion colours. It produces vibrant colours while retaining excellent sharpness. The advanced algorithms detect subtle colour shades and skin tones, and processes these to give most natural colours.

HD Natural Motion

Philips invented HD Natural Motion to eliminate juddering effects that are visible with movie based picture content. HD Natural Motion estimates motion in the picture and corrects juddering movements in both broadcast and recorded movie material (such as DVD and Blu-ray Disc). The resulting smooth motion reproduction and excellent sharpness take the viewing experience to a higher level. HD Natural Motion removes judder from SD and HD pictures, including 1080p, for a motion performance that surpasses the cinema!



Specifications

Picture/Display

- **Aspect ratio:** Widescreen
- **Brightness:** 550 cd/m²
- **Contrast ratio (typical):** 1200:1
- **Dynamic screen contrast:** 8000:1
- **Response time (typical):** 3 (BEW equiv.) ms
- **Viewing angle:** 176° (H) / 176° (V)
- **Diagonal screen size:** 42 inch / 107 cm
- **Display screen type:** LCD Full HD W-UXGA Act. matrix
- **Panel resolution:** 1920x1080p
- **Colour processing:** 4 trillion colours (14bit RGB)
- **Picture enhancement:** Perfect Pixel HD Engine, HD Natural Motion, Dynamic contrast enhancement, 1080p 50/60Hz processing, 1080p 24/25/30Hz processing, 3/2 - 2/2 motion pull down, 3D combfilter, Active Control & Light sensor, Jagged line suppression, Progressive scan, Pulse Killer Chip, Widescreen plus, 100Hz Clear LCD
- **Screen enhancement:** Anti reflection coated screen

Ambilight

- **Ambilight Features:** Ambilight Spectra, Auto adaptive to video content, Lounge light mode in stand-by
- **Ambilight light system:** LED wide colour
- **Dimming function:** Manual and via light sensor

Supported Display Resolution

Computer formats

Resolution	Refresh rate
Via HDMI/DVI input	
640 x 480	60Hz
800 x 600	60Hz
1024 x 768	60Hz
1280 x 768	60Hz
1360 x 768	60Hz
1920 x 1080i	60Hz
1920 x 1080p	60Hz

Video formats

Resolution	Refresh rate
480i	60Hz
480p	60Hz
576i	50Hz
576p	50Hz
720p	50, 60Hz
1080i	50, 60Hz

1080p	24Hz, 25Hz, 30 Hz
1080p	50Hz, 60Hz

Sound

- **Output power (RMS):** 2x12W
- **Sound enhancement:** Digital signal processing, Graphic equaliser, Dynamic bass enhancement
- **Sound system:** Virtual Dolby Digital, BBE

Loudspeakers

- **Built-in speakers:** 26
- **Loudspeaker types:** 2x12 invisible microdrivers, 2 integrated subwoofers

Convenience

- **Child Protection:** Child lock & parental control
- **Clock:** Smart clock
- **Ease of installation:** Auto Programme Naming, Automatic Channel Install (ACI), Automatic Tuning System (ATS), Auto store, PLL digital tuning, Plug & Play
- **Ease of Use:** 4 favourite lists, Auto volume leveller (AVL), Delta volume per preset, Graphical user interface, On screen display, Program list, Settings assistant wizard, Side Control
- **Electronic program guide:** Now + Next EPG, 7 day Electronic program Guide
- **Remote control:** Amp, DVD, DVD-R, Sat, STB (Set-Top Box), Universal
- **Remote control type:** RC4490
- **Screen format adjustments:** 4:3, 6 widescreen modes, Auto format, Movie expand 14:9, Movie expand 16:9, Subtitle and heading shift, Super Zoom, Widescreen
- **Picture in Picture:** Text dual screen
- **Teletext:** 1200 page hypertext
- **Teletext enhancements:** Habit watch, Program information line
- **Firmware upgradeable:** Firmware auto upgrade wizard, Firmware upgradeable via USB
- **Multimedia:** Digital media reader (browser), USB autobreak-in

Multimedia Applications

- **Multimedia connections:** USB
- **Playback formats:** MP3, Slideshow files (.alb), JPEG still pictures

Tuner/Reception/Transmission

- **Aerial input:** 75 Ohm coaxial (IEC75)
- **TV system:** DVB COFDM 2K/8K
- **Video playback:** NTSC, SECAM, PAL

- **DVB:** DVB Terrestrial *
- **Tuner bands:** Hyper band, S channel, UHF, VHF

Connectivity

- **Ext 1 Scart:** Audio L/R, CVBS in / out, RGB
- **Ext 2 Scart:** Audio L/R, CVBS in / out, RGB
- **Ext 3:** YPbPr, Audio L/R in
- **Ext 4:** HDMI v1.3
- **Ext 5:** HDMI v1.3
- **Ext 6:** HDMI v1.3
- **HDMI features:** Cable equalisation, Category I and 2 cables, Compressed audio, Multirate pref. format support, PC format support, Resolutions 720p, 1080i, 1080p
- **Front / Side connections:** Audio L/R in, CVBS in, Headphone out, S video in, USB
- **Other connections:** Analogue audio left / right out, S/PDIF out (coaxial), Common Interface

Power

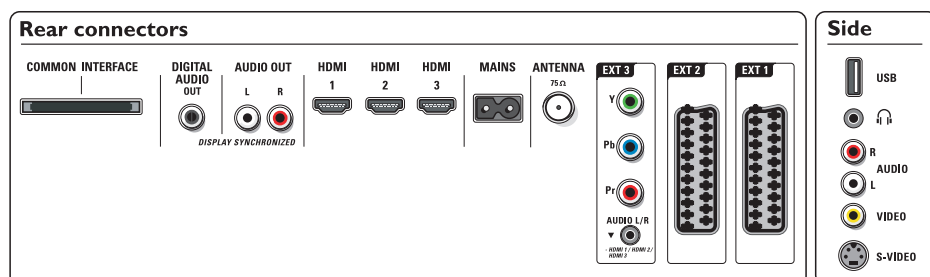
- **Ambient temperature:** 5 °C to 40 °C
- **Mains power:** AC - 220 - 240 V +/- 10%
- **Power consumption:** 231 W
- **Standby power consumption:** 0.8 W

Accessories

- **Included accessories:** Tabletop swivel stand, Wall mounting bracket, RF antenna cable

Dimensions

- **Colour cabinet:** Precision Chrome and translucent Pearl
- **Set dimensions (W x H x D):** 1100 x 664 x 125 mm
- **Set dimensions with stand (H x D):** 714 x 256 mm
- **Product weight:** 45 (tbc) kg
- **Box dimensions (W x H x D):** 1354 x 1211 x 339 mm
- **Weight incl. packaging:** 62 (tbc) kg
- **VESA wall mount compatible:** 600 x 400 mm



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* DVB-T, supported in selected countries only